## STRUCTURE NO. 05810

· - - 7 !

over
ROUTE 15
NEW CANAAN

Indepth Inspection on 7/21/2010

Inspected by Team 6 for Area 6

TEAM:	Forwarded to TE3 Jim Matu	is	Date	9/3/2010
TE3:	Reviewed by TE3	estatoh -	Date 5/	9/2010
	BMM Required		NO'	
	Town Bridge		NO	
	Rating <= 5 (Items 58,5)	9,60 or 62)	NO	
	Forwarded to Supervisor		Date /	/
	Forwarded to "To Be Copied Drawer	"	Date 7/7	2000
	Date BRI-19 Entere	0 9/9	12010	,
SUPERVI	SOR: Reviewed by supervisor		Date	
SUPPOR	T: Date Copies Made Q- 22-	IO BMM No T	More	
	Scanned By: Date	e Scanned		Box No

NBI: Yes

Structure No.	05810	Town	New Canaan	
Inspection Date	7/12/2010	Inspectors	Team 6	

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BRI-18 Bridge Ins BRI-19 Highway I	spection Report Form Bridge Inventory Form Bridge Under Entry Form	7 2 1

### Comments:

STRUCTURE TYPE AND MATERIAL  43) Structure Type, Main: A) Material 5 Prestressed concret B) Design Type 5 Box Beam or Girders  44) Structure Type, Approach: A) Material 0 Other A) Material 0 Other 45) Number of Spans, Main Unit 46) Number of Approach Spans 107) Deck Structure Type 108) Wearing Surface/Protective System: A) Type of Wearing Surface B) Type of Membrane C) Type of Deck Protection  STRUCTURE TYPE AND MATERIAL  B) Design Type 5 Box Beam or Girders  - Multiple  Other  Other  A) Material 0 Other  46) Number of Approach Spans Other  None C) Type of Deck Protection  STRUCTURE TYPE AND MATERIAL  B) Design Type 5 Dox Beam or Girders  - Multiple  - Multi	7) Facility Carried:  LAPHAM ROAD  9) Location  1.5 MI-E-STAMFORD T.L.  11) Milepoint  1.5 MI-E-STAMFORD T.L.  12) deg min  13) Longitude  13) Longitude  14) deg min  15) Longitude  15) Longitude  17) Longitude  18) Border Bridge:  A) State Code  C) Border Town Name  19) Border Bridge Structure No	STRUCTURE EV  ection Date 5/14/2008  SHEETOFI&  SHEETO	
34) Skew Angle 35) Structure Flared 0 10 )Inv. Rte. Min. Vert Clearance 47) Log Inv. Rte. Total Horiz Clr.: 47) RLog Inv. Rte. Total Horiz Clr.: 53) Min Vert Clearance Over Bridge 55) Min Lat Under Clearance on Right 56) Min Lat Under Clearance on Left 57) Min Lat Under Clearance on Left 58) Min Lat Under Clearance on Left 59) Min Lat Under Clearance on Left 60.0ft 61 71 72 71 72 72 72 74 75 75 76 76 77 76 77 77 78 78 79 78 79 78 79 78 79 78 78 78 78 78 78 78 78 78 78 78 78 78	30) Year of ADT 2008 2miles  GEOMETRIC DATA  48) Length of Max Span 48) Length of Max Span 50) Curb or Sidewalk Widths: sec A) Left 0.0ft 0.0ft 890.0ft 52) Deck Width, curb-curb 30.0ft 32) Approach Roadway Width 33) Bridge Median  Deck Area 2543 sqft	ORT) Fracture: Uwater: Special:  1937 1937 1 Highway Per of Lanes:  2 2 2%  105/1999 7-12-10/11/1900 12:  CRITICAL FEATURE INSPECTIONS  Fracture: Type Frequency Team Date  AGE AND SERVICE  106) Year Reconstructed 11 17 18 1937 1937 1937 1937 1937 1937 1947 1957 1957 1957 1957 1957 1957 1957 195	ECTICUT       90) Inspection Date       Inspection Team       91) Frequency Class:         NSPORTATION       OTATION       6 0 6       24       01         Indepth Insp       Deck Survey       Access Flagman

W 2 6	Posted Vert Clearance On Bridge Posted Vert UnderClearance Posted Speed Limit Utility Utility	Other Posted Signs 1 Other Posted Signs 2 Actual P.L. Single Unit Truck Rec. P.L. Single Unit Truck Actual P.L. Semi-TrailerTruck Rec. P.L. Semi-TrailerTruck Rec. P.L. All Vehicles	94) Bridge Improvement Cost 95) Roadway Improvement Cost 96) Total Project Cost 97) Year of Improvement Cost Est. 114) Future ADT 0 List No. PR Project No. 0	DrainageBasinCode  38) Navigation Control  39) Navigation Vert Clr.  116) Vert-Lift Brg Nav Min  111) Pier Abutment Protection  75A) Type of Work Proposed  75B) Work Done By  76) Length of Struct. Improvement	103) Temporary Structure 110) Designated National Network 20) Toll 21) Maintain 22) Owner Report Class 37) Historical Significance	112) NBIS Bridge Length 104) Highway System 26) Functional Class 100) Defense Highway 101) Parallel Structure 102) Direction of Traffic
		tons Actual P.L. 4Axle Truck tons tons Rec. P.L. 4Axle Truck tons tons Actual P.L. 3S2 Truck tons tons Actual P.L. 3S2 Truck tons Actual P.L. All Vehicles tons	\$ 0 \$ 0 \$ 0 115) Year Future ADT 0 0135-0270 Advertised 5/28/2003	PROPOSED IMPROVEMENTS  Off	Not on national network     On Free Road     State Highway Agency     State Highway Agency     STATE     On National Register     WATERWAY	Yes  O Off System  19 Urban Local  Route is not a STRAHNET Route  N No parallel structure exists  2 2-way traffic
	Senior  Supervisor  Ph  REVIEWED BY:  A  REVIEWED BY:  REVIEWED BY:	No 0.0 ft 0.0 ft	A) Bridge Railings A) Bridge Railings B) Transitions C) Approach Guardrail D) Approach Guardrail End OTHE	By:	pad 5 Rating Type 1 Rating Type 1 Rating Type 1 Rating 38.0 [ CONDITION	STRUCTURE EVALUATION  SHEET 2 OF 2 FORM BRI-19 REV 10/00  SHEET OF
	A Date 9/9/2012	Stand Pipes No Stand Pipes No Movable Inspection System No Loose Concrete Checked? Yes  INSPECTION COMMENTS	OTHER FEATURES	67) Structure Evaluation 6 6 68) Deck Geometry 5 9 Under Clear Vert & Horiz 2 71) Waterway Adequacy N 72) Approach Rdwy Alignment 8 113) Scour Critical	NG AND POSTING  Evaluation Code Year of Evaluation 1998  70) Bridge Posting 5  41) Structure Status A Open, no restriction  APPRAISALS	Bridge Number 05810  Town Name NEW CANAAN Yes 73  Facility Carried LAPHAM ROAD  Feature Crossed ROUTE 15

+ 10) INV. RTE. MIN. VERT. CLEARANCE + 47) LOG INV. RTE. TOTAL HORIZ CLR. + 47) RLOG INV. RTE. TOTAL HORIZ CLR. 29.7 + LOG MIN VERT CLR OVER INV ROUTE + RLOG MIN VERT CLR OVER INV ROUTE + 55) MIN LAT UNDERCLR ON RIGHT + 56) MIN LAT UNDERCLR ON LEFT	* 28B) NUMBER OF INV.ROUTE LANES 4  * 29) ADT (INV.RTE) 69  * 109) TRUCK ADT % (INV.RTE) 7  * 30) YEAR OF ADT (INV.RTE) 7  * 41) INV ROUTE OPERATIONAL STATUS 7  19) BYPASS DETOUR LENGTH 3	DESCRIPTION:  5) INVENTORY ROUTE: A) RECORD TYPE B) ROUTE SIGNING PREFIX C) DESIGNATED LEVEL OF SERVICE D) ROUTE NO.  11) MILE POINT (INV.RTE)  13.	INSPECTED BY:  ROUTE 15  INSPECTED BY:  Pocition  REVIEWED BY:  REVIEWED BY:  IDENTIFICATION	TOWN NAME  NEW CANAAN
14 ft 2 in	# POSTED SIGNS  # POSTED VERT. CLR UNDER BRIDGE    O   O   O   O   O   O	26) INV. RTE. FUNCT CLASSIFIC 100) DEFENSE HIGHWAY DESIGN ** 102) DIRECTION OF TRAFFIC 104) HIGHWAY SYSTEM OF INV. 110) DESIGNATED NATIONAL NOTES IN TRAFFIC 104) HIGHWAY SYSTEM OF INV. 110) DESIGNATED NATIONAL NOTES IN TRAFFIC 104) HIGHWAY SYSTEM OF INV. 110) DESIGNATED NATIONAL NOTES IN TRAFFIC 104) HIGHWAY SYSTEM OF INV.	0,102/5	NBIS BRG  LGTH  DEPARTMENT OF TRANSPORTATION  Yes 73  DIVISION OF BRIDGE SAFETY EVALUATION

2 2-way traffic

On System

12 Urban Principal Arterial -

Route is on a Interstate S

STATE OF CONNECTICUT

<sup>- \*</sup> FILL OUT ON EVERY INSPECTION 29, 109, 30, 41
- \* VERIFY EVERY INSPECTION 28B, 10, 47, 53, 55, 56 & POSTED VERT CLEARANCE UNDER THE BRIDGE \*\* MUST BE FILLED OUT OR VERIFIED ON THE FIRST INSPECTION MADE BASED ON THE NEW FHWA GUIDE 102



## **Connecticut Department of Transportation**

### **Bridge Inspection Report BRI-18**

Bridge #: 05810			Inspectio	n Date: 07/12/	2010
Inspection Type:	Indepth	Previous Inspection Date:	5/14/2008	Snooper Required:	No
Inspection Performed By:	Team 6	Feature Carried:	LAPHAM ROAD	Snooper Used:	No
Town:	NEW CANAAN	Feature Intersected:	ROUTE 15	Year Built:	1937
Location:	1.5 MI-E- STAMFORD T.L.	Main Design:	Box Beam or Girders - Multiple	Year Rebuilt:	1989
Main Material:	Prestressed concrete				
Visits Visit Date: Tem 7/12/2010 90	p: Start Time:	End Time: 11:45:00 AM	Inspectors: Inspector:	Task:	
7/12/2010 90	10.45.00 AW	11.43.00 AW	J. Jones	Inspector	=
^			o. Jones	Шэрескої	
DECK:	Latex Modified Con-	crete Deck		Overall Rating:	6
OVERLAY	L	atex modified concrete extending tudinal and transverse reas of light mapcracking.	hibits: e cracking throughout up to	) 1/16" wide.	
	A	3' x 3' and a 4' x 1' hollow	area over the south abutr	ment.	
	A	3' x 2" x 1" deep spall ove	er the north abutment.		
	ho	ands of diagonal cracking ollow sound because there eck was chain dragged.	at all four corners up to 10 e is a gap between deck ui	)' long. Deck has a d nits and concrete de	deep eck.
DECK-STR. CONDITION:	6 In	tegral Deck: Per CT Bridg andition of the riding surfac	e Inspection Manual rating ce.	g based only on the	
CURBS:	7 SI	oped granite blocks with r	minor scrape marks.		
MEDIAN:	Ν -				
SIDEWALKS:	Ν -				
PARAPET:	G		ncade panels attached belo on of condition). The parag e with efflo.		
RAILING:	N -				
PAINT:	N -				

Page 2 of 7 5/18

FENCE:	Ν	-
DRAINS:	Ν	-
LIGHTING STANDARD:	**	-
UTILITIES TYPE/SIZE:	8	There are 4-1/2 inch telephone conduits attached to underside of box girder 1.
CONSTR JOINTS:	Ν	-
EXPANSION JOINTS:		North Abutment: The compression joint seal is filled with sand. The concrete header has transverse hairline cracks, impact scrapes, and edge spalls up to 20 linear feet.
		South Abutment: There is no formal joint at the south abutment. There is a gap up to 2" filled with sand between the approach pavement and overlay. There is 20 linear feet of bituminous spalling adjacent to the open joint.

59. SUPERSTRUCTUR	RE:	ED CONCRETE BOX GIRDERS  Overall 6 Rating:
	Rating	
BEARING DEVICES:	7	The premolded joint material at the south abutment is squeezing out under random units.  The elastomeric bearings at the north abutment appear to be in good condition based on limited view.
STRINGERS:	N	-
GIRDERS:	6	The underside of the prestressed deck units exhibit: Intermittent longitudinal hairline cracks at random locations on all units up to 30' long x up to 0.030" open.  Typically the longitudinal cracking ranges from 2' to 8' long x 0.020" open. There are isolated honeycomb areas with and without mortar patches. There is moderate efflorescence between units 10 and 11 near the south abutment.  The precast façade panels have random hairline cracks. Panel 1 and a portion of panel 2 on the east side over the northbound right lane have been replaced with new panels. This new section has minor collision damage.  However there is a portion of panel 2 that has two 1/8" wide cracks on the interior face over the left lane. The concrete sounded solid but this condition should be monitored during future inspections. There are isolated areas of
		mapcracking, shallow spalls and vertical hairline cracks on the other panels.
FLOOR BEAMS:	N	-
TRUSSES- GENERAL:		-,
TRUSSES- PORTALS:	N	-
TRUSSES- BRACING:	Ν	-
PAINT:	Ν	-
RUST:	N	-3
MACHINERY MOV SPAN:	N	-
RIVETS & BOLTS:		There are angles that are bolted to the underside of the fascia units and to the interior of the façade panels.  One out of the seven bolts is not fully engaged, but tight (washer is loose) at the following locations:  West fascia, at panel 1 over the right lane northbound.  West fascia, at panel 5 over the right lane southbound. There is up to a 5/8" gap between the panel and angle at these locations.
WELDS - CRACKS:	Ν	•
TIMBER DECAY:	N	-
CONCRETE CRACKING:	5	See GIRDER comment and COLLISION DAMAGE.
COLLISION DAMAGE:	6	1004 collision damage panel 1 and portion of panel 2 removed by CDOT maintenance.

MEMBER ALIGNMENT:			
DEFLECT. UNDER LOAD:	2.2	-	
VIBRATION UNDER LOAD:	N	-	
STAND PIPES:		-	
BARREL LADDERS:	Ν	-	
		ARE BARREL LADDERS OS	SHA COMPLIANT? NA
60. SUBSTRUCTURE:	REINFORCED C	ONCRETE ABUTMENTS	Overall Rating: <sup>6</sup>
	Rating		
ABUTMENTS- STEM:	7	The southwest abutment seat has a full width x 6" x 3 on the fascia side and there is evidence of leakage.	" deep spall at the top
		At each abutment there are 4 full height and a few pa 60" long. All of these cracks are hairline to 1/16" in wi The granite curb at the bottom of the concrete crash uscrapes.	dth.
ABUTMENTS- BACKWALL:	N	Not visible.	
ABUTMENTS- FOOTINGS:	N	Not visible.	
ABUTMENTS- SETTLEMENT:	N	-	
ABUTMENTS- WINGWALLS:	5	The wingwalls have daigonal and transverse cracks u efflorescence and the following deterioration:	p to 7' x 1/16" wide with
		Southwest and southeast wingwalls: There are a few deep. Also, there are several locations of heavy scale with heavy efflorescence. The southwest exhibits an a with hollow concrete on the pylon and wing totalling 14	up to 2' x 4' x 1" deep area of map cracking 40 sf.
		Northwest and northeast wingwalls: Each wingwall ha exposed rusted rebar, $2' \times 2' \times 6''$ deep and $2' \times 1' \cdot 6''$ the northwest wingwall has a $2' \times 2'$ hollow area with a spalls around.	leep respectively. Also,
PIERS/BENTS- CAPS:	N	-	
PIERS/BENTS-PILE   BENT:	N	-	
PIERS/BENTS- COLUMNS:	N		
PIERS/BENTS- FOOTING:	N	-	
PIERS/BENTS- SETTLMT:	N	-	
EROSION-SCOUR:	N	-	
CONCRETE CRACK-SPALL:	6	See ABUTMENTS STEM/WINGWALLS	

** BRITS FORM **	- Structure No:	05810 Inspection Date: 07/12/2010	Page 5 of 8/18
STEEL CORROSION: PAINT:	:	-	,
TIMBER DECAY:		1	
COLLISION		][- ][-	
DAMAGE:			
DEBRIS:	N	-	
61. CHANNEL & CHANNEL PROTECTION:	-		Overall Rating:
62. CULVERTS & RETAINING WALL:	-	-	Overall Rating: N
65. APPROACH CONDITION	BITUMINOUS C	ONCRETE ON FILL	Overall Rating: <sup>5</sup>
APPROACH SLAB:		1	
RELIEF JOINTS:		-	
APPROACH GUIDE RAIL:		Metal beam rail at all four corners. There is minor impout southwest corner.	pact damage at the
APPROACH PAVEMENT:	4	South approach: The bituminous concrete has heavy up to 1' diameter x 1" deep in the wheel paths. There and longitudinal cracks open up to 1" wide throughou patches.  Bituminous patches on both approaches. (see sketch	is several transverse it and uneven bituminous
APPROACH	8	-	
EMBANKMENT:		JL	
TRAFFIC SAFETY FEATURES	Rating		
		1	
BRIDGE RAILINGS:	Last Inspection: 1 Current: -		

TRANSITIONS:	Last Inspection:	-
	1	
	Current: -	
APPROACH	Last Inspection:	-
GUARDRAILS:	1 Current: -	
APPR. GUARDRAIL ENDS:	Last Inspection:	-
LINDS.	Current: -	
CC   CAD		
66. LOAD POSTING		
POSTING		
	- Posted	
	Loading -	
SINGLE UNIT (TONS	): Last	-

#### 67. MISCELLANEOUS

VISIBILITY/LOCATION:

#### Rating

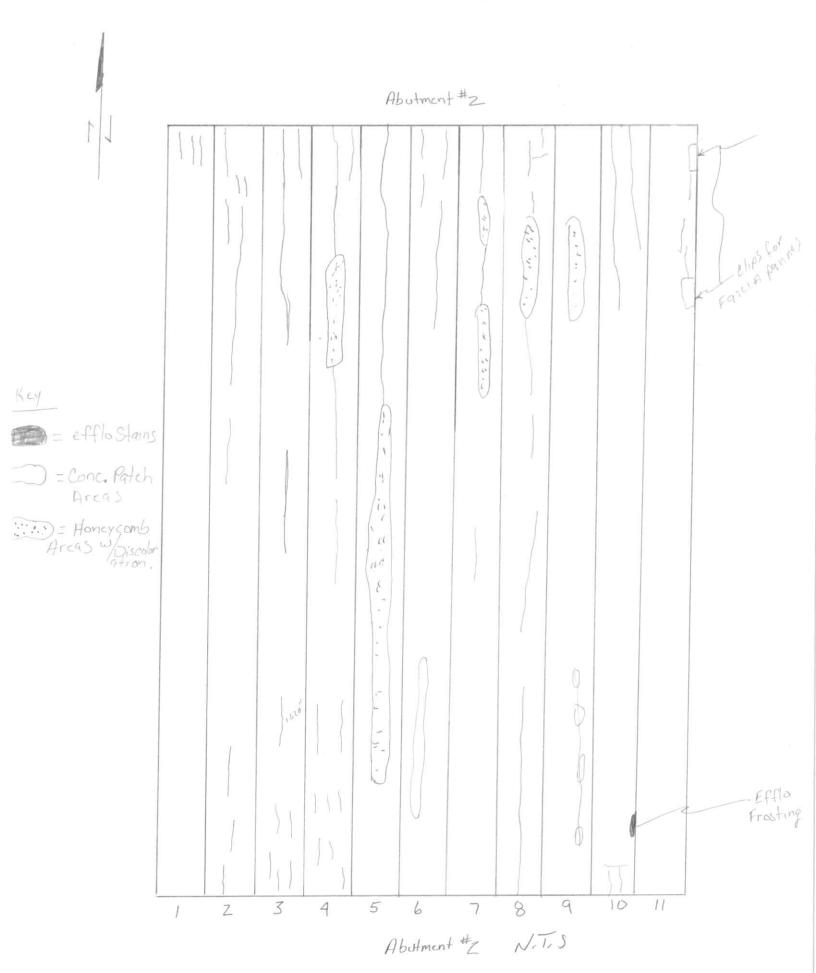
LEGIBILITY: -

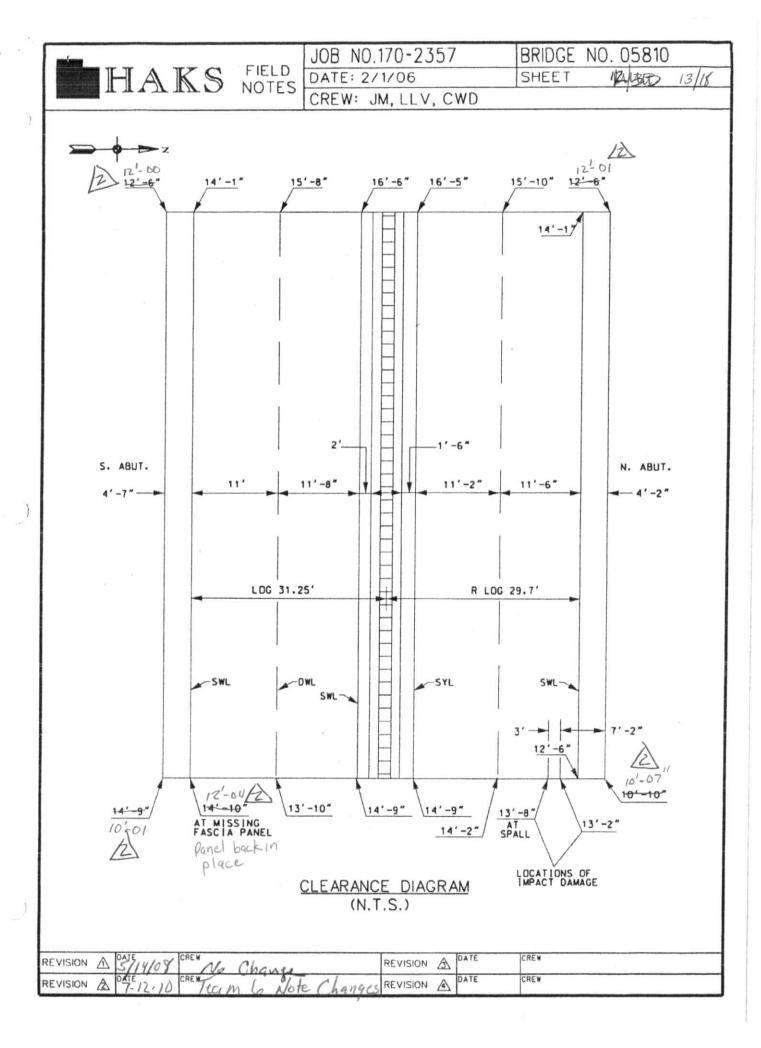
UNDERCLEARANCE:	Last Inspection: 12' 6" Current: -' -"	At edge of travelway. (10-10" at edge of roadway).
UNDER BRIDGE:	Last Inspection: 12' 2" Current: -' -"	See below.
POSTED CLR. ON BRIDGE:	Last Inspection: 0' 0" Current: -' -"	None.

10/18

ADVANCED WARNING (YES/NO):	No	12'-1" posted southbound approximately 100' from advance warning. 12'-3" posted northbound approximately 100' from warning on Route 124 entrance ramp.	
SPEED LIMIT (IF ANY):	Last Inspection: - Current: -		
CHARACTER OF TRAFIC:		Light and mixed.	н
ADDITIONAL NOTES: ADDITIONAL		Bridge ID's are in place.	
COMMENTS:		Bridge ID's are in place.	
Inspectors' Signatur	es: 1) (	James Home E. Riell	Date: 9-13-12010 Date: 09-103-1-2010
	3)		Date:/
	4)		Date:/
P.E. Signature:			Date:/
P.E. #:	_		Date:/
Reviewed by:	4	Conndot	Date: 9-17/2010

CONNECTICUP	BRIDGE NO: 05810	DATE: 7/2/2010		
	CREW: Team 6	SHEET -11 of 18		
A TRANSPORT	Field Original	Transcribed By:		
DESCRIPTION: Lampham Rd C	over Rtc 15, New Cana	791		
Topside Barc Conc. Deck	/ 1			
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1	HA HA	HA 3'		
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	)	Conc. Herder		
		Conc. Herder		
5)	χ5 .	VITS		
END				
OLLOW AREA HALLOW REBAR PALL AREA	22X2 REV. NO: DAT	TE: COMPANY: CREW:		
pall are with exposed regar Ap cracks (MgC) or hairline map cracks (HLMgC)				
URLINE CRACK (HLC) OR CRACKS (CRK) ONEY COMB AREA				
CALE AREA (HVY, MED OR LT) TH EFFLORESCENCE				





COMMECTACIO		BRIDGE NO: 05810	DATE: 7 112 1:2010
		CREW: Teams	SHEET 1 4 of 10
OF TRUST		Field Original	Transcribed By:
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HOLLOWAREA

SHALLOW REBAR

SPALL AREA

SPALL AREA WITH EXPOSED REBAR

MAP CRACKS (MC) OR HAIRLINE MAP CRACKS (HLMC)

HAIRLINE CRACK (MC) OR CRACKS (CRK)

HONEY COMB AREA

SCALE AREA (MY, MED OR LT)

X WITH EFFLORESCENCE

REV. NO:	DATE:	COMPANY:	CREW:	
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1540	Cox	METRU				BRIDGE	ENO: 058	810	DATE:	7 11	2 1:2010	)
		T)			9:	CREW:	Team 6			-15_ of		
	1350	TRUST				Field			Tran	scribed I	Ву:	
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BPAL SPAL SPAL SPAL SPAL SPAL SPAL SPAL S	LLOW AREA LLOW REBAR LL AREA LL AREA LL AREA WITH EXPO	HAURLINE WAP CRACKS (F OR CRACKS (CRK)	il.u <sub>g</sub> c <sub>j</sub>			3	REV. NO:	DATE: CO	MPANY:	CREW:		

CONNECTIVIA		BRIDGE NO: 05810	DATE:	112/2013
		CREW: Tegun &	SHEET -16	
OF TRUST		Field Original	☐ Transcribe	
ESCRIPTION: hapham R	d of Rtel	J. New Canaga	·	
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A but #1				
	East Ele	vation N.T.S.		
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LEGEND

| HOLLOWAREAR
| SPALLOW REBAR
| SPALL AREA WITH EXPOSED REBAR
| MAP GRACKS (MGC) OR HAIRLINE MAP CRACKS (HLUGC)
| HAIRLINE CRACK (HC) OR CRACKS (CRK)
| HONEY COMB AREA
| SCALE AREA (MY, MED OR LT)
| WITH EFFLORESCENCE

REV. NO: DATE: COMPANY: | CREW:

1.64				
COMPLECTIVE	9	BRIDGE NO: 05810	DATE: 7 /12	1.2010
		CREW: Team 6	SHEET -17 of	
OF TRUE		Field Original	☐ Transcribed By	/:
DESCRIPTION: Lapham Rd	over Rte	, 15, New Ca	naan	¥ii
Abut #2	West Elev	Spall bottom of Unit	Abut #1	2'x6"x3" -2'x1x1" -2'x1x1"
	4		10 4 11	.   :
EGEND  HOLLOWAREA  HALLOW REBAR  SPALL AREA  BRALL AREA WITH EXPOSED REBAR  MAP CRACKS (INC) OR HAIRLINE MAP CRACKS (PLANC)  HAURLINE CRACK (INC) OR CRACKS (CRK)  HONEY COME AREA  SCALE AREA (MY, MED OR LT)  WITH EFFLORESCENCE		REV. NO: DATE:	COMPANY: CREW:	

07/12/2012

#### Structure Inventory and Appraisal Sheet (English Units)

Bridge Key: 05810 Agency ID: 05810 Sufficiency Rating: 91.4

Frequency 91:

FC Frequency 92A: NA

SI Frequency 92C: NA

**IDENTIFICATION** 

Struc Num 8: 09 Connecticut 05810

LAPHAM ROAD Facility Carried 7:

1.5 MI-E-STAMFORD

Rte.(On/Under)5A: Route On Structure Rte. Signing Prefix 5B: 5 City Street

Level of Service 5C: 0 None of the below Rte. Number 5D: 00000

% Responsibility : Directional Suffix 5E: 0 N/A (NBI)

County Code 3: Fairfield

Place Code 4: **NEW CANAAN** 0.130 mi Mile Post 11:

Feature Intersected 6: ROUTE 15

Latitude 16: 41d 06' 54" Longitude 17: 073d 29' 36"

Border Bridge Code 98: Unknown (P)

Border Bridge Number 99: NA

STRUCTURE TYPE AND MATERIALS

Number of Approach Spans 46: 0

Number of Spans Main Unit 45: 1

5 Prestressed Concrete

05 Multiple Box Beam

Deck Type 107:

Wearing Surface 108A: 3 Latex Concrete/Similar

Membrane 108B

Deck Protection 108C: 1 Epoxy Coated Reinforci

AGE AND SERVICE

Year Built 27: 1937 Year Reconstructed 106: 1989

Type of Service on 42A: 1 Highway

Type of Service under 42B: 1 Highway

Lanes on 28A: 2

ADT 29: 900 Truck ADT 109: 2 % Year of ADT 30: 1997

GEOMETRIC DATA

Length Max Span 48: 62.0 ft Structure Length 49: 73.2 ft Curb/Sdwlk Wdth L 50A: 0.0 ft Curb/Sidewalk Width R 50B: 0.0 ft

Width Out to Out 52:

Width Curb to Curb 51: 29.9 ft

Approach Roadway Width 32: 24.0 ft Median 33: 0 No median

Deck Area: 2,540.3 sq. ft

Skew 34: 0.00 \* Minimum Vertical Clearance Over Bridge 53:

Structure Flared 35: 0 No flare

Minimum Vertical Underclearance Reference 54A: H Hwy beneath struct

Minimum Vertical Underclearance 54B:

Minimum Lateral Underclearance Reference R 55A:

Minimum Lateral Undrclearance R 55:

Minimum Lateral Undrolearance L 56:

H Hwy beneath struct

Detour Length 19: 1,9 mi

34.8 ft

3.9 ft 1.6 ft

INSPECTION

24 months Inspection Date 90: 7/12/2010 Next Inspection:

FC Inspection Date 93A: Next FC Inspection: NA

UW Frequency 92B: NA UW Inspection Date 93B: Next UW Inspection: NA

CLASSIFICATION

Defense Highway 100: 0 Not a STRAHNET hwy Parallel Structure 101:

SI Date 93C:

Direction of Traffic 102: 2 2-way traffic

Temporary Structure 103:

No || bridge exists Unknown (NBI)

19 Urban Local

Next SI:

NBIS Length 112: Highway System 104:

3 On free road

Functional Class 26:

1 Br on Natl Reg Hist PI

Historical Significance 37:

01 State Highway Agency

Super 59: 6 Satisfactory

Custodian 21: 1 1

CONDITION

Culvert 62: N N/A (NBI)

Channel/Channel Protection 61:

N N/A (NBI)

LOAD RATING AND POSTING

Operating Rating Method 63: 1 LF Load Factor Inventory Rating Method 65: 1 LF Load Factor

Posting 70:

Inventory Rating 66:

Operating Rating 64:

Design Load 31:

Waterway Adequacy 71:

Bridge Cost 94:

Roadway Cost 95:

5 MS 18 (HS 20)

5 At/Above Legal Loads

Posting status 41: A Open, no restriction

APPRAISAL

Bridge Rail 36A: Transition 36B:

1 Meets Standards 1 Meets Standards Approach Rail 36C: Approach Rail Ends 36D:

1 Meets Standards 1 Meets Standards 6 Equal Min Criteria

Str. Evaluation 67: Underclearance, Vertical and Horizontal 69:

Deck Geometry 68: 3 Intolerable - Correct

Scour Critical 113: N Not Over Waterway

Approach Alignment 72:

6 Equal Min Criteria

N Not applicable

PROPOSED IMPROVEMENTS

Type of Work 75:

\$ 1.000

Total Cost 96: \$ 2,000 Year of Cost Estimate 97: 2000

Length of Improvment 76: 0.3 ft Future ADT 114:

Year of Future ADT 115: 2019

NAVIGATION DATA

N NA-no waterway Navigation Control 38 Vertical Clearance 39: 0.0 ft

Pier Protection 111:

Unknown (NBI)

Horizontal Clearance 40: Lift Bridge Vertical Clearance 116:

0.0 ft

**ELEMENT CONDITION STATE DATA** 

Str Unit	Elm/Env	Description	Units	Total Qty	% in 1	Qty. St. 1	% in 2	Qty. St. 2	% in 3	Qty. St. 3	% in 4	Qty. St. 4	% in 5	Qty. St. 5
UNIT0	22/3	P Conc Deck/Rigid Ov	(SF)	2,540	100 %	2,540	0 %	0	0 %	0	0 %	0	0 %	C
UNITO	104/3	P/S Conc Box Girder	(LF)	719	65 %	469	35 %	250	0 %	0	0 %	0	0 %	C
UNITO	215/3	R/Conc Abutment	(LF)	69	97 %	66	3 %	3	0 %	0	0 %	0	0 %	C
UNITO	301/3	Pourable Joint Seal	(LF)	30	100 %	30	0 %	0	0 %	0	0 %	0	0 %	0
UNITO	331/3	Conc Bridge Railing	(LF)	200	97 %	194	3 %	7	0 %	0	0 %	0	0 %	
UNITO	358/3	Deck Cracking SmFlag	(FA)	1	100 %	- 1	0 %	0	0 %	0	0 %	0	0 %	0



Photo #1: View looking south

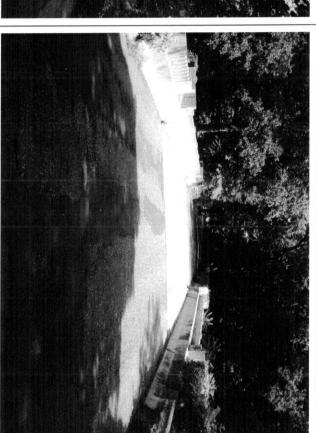


Photo #2: View looking north

Feature Crossed:	Feature Carried:	Town:	Bridge No.
Route 15	Lapham Road	New Canaan	05810
Project No.:	Date Inspected:	Inspected by:	Inspected by:
	07/12/2010	ED PUCILLO	JAMES JONES

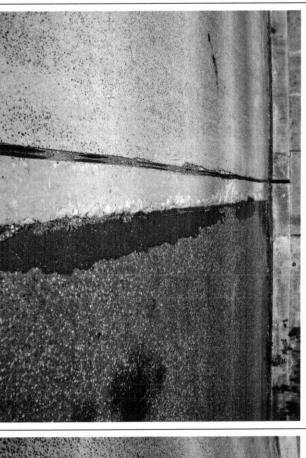


Photo #3:

Joint over abutment #2



Photo # 4:

General view of wearing surface

Feature Crossed:	Feature Carried:	Town:	Bridge No.
Route 15	Lapham Road	New Canaan	05810
Project No.:	Date Inspected:	Inspected by:	Inspected by:
	07/12/2010	ED PUCILLO	JAMES JONES

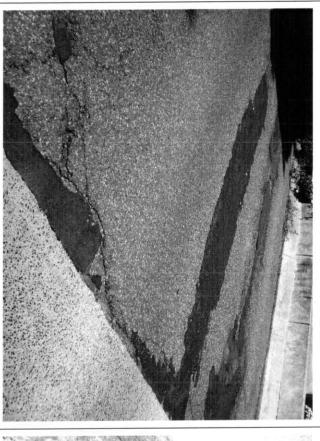


Photo #5: Bit. patches approach pavement south



**Photo # 6:** 2" wearing surface taken at southwest edge

Feature Crossed: Route 15	Feature Carried: Laph	Town: New	Bridge No. 05810
e 15	Lapham Road	New Canaan	0
Project No.:	Date Inspected:	Inspected by:	Inspected by:
	07/12/2010	ED PUCILLO	JAMES JONES

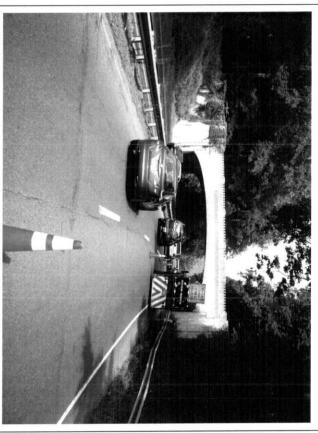


Photo #7 East elevation

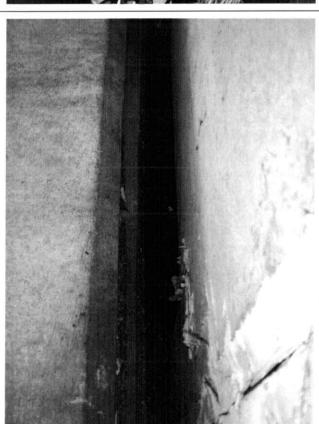


Photo #8 West elevation

Feature Crossed:	Feature Carried:	Town:	Bridge No.
Route 15	Lapham Road	New Canaan	05810
Project No.:	Date Inspected:	Inspected by:	Inspected by:
	07/12/2010	ED PUCILLO	JAMES JONES



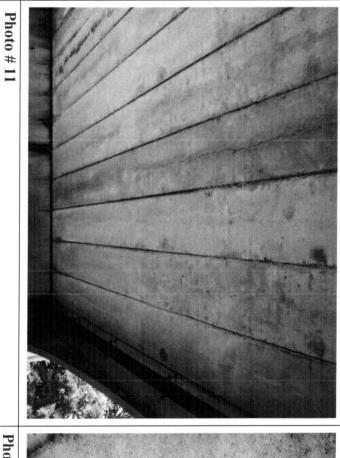
Photo #9
General condition of abutment #1



Typical elastomeric bearing pad over abutment #1

Photo # 10

	Feature Crossed:   Route 15	Feature Carried: Lapham Road	Town: New Canaan	Bridge No. 05810
16	Project No.:	Road Date Inspected:	naan Inspected by:	Inspected by:
		07/12/2010	ED PUCILLO	JAMES JONES



General view of underside

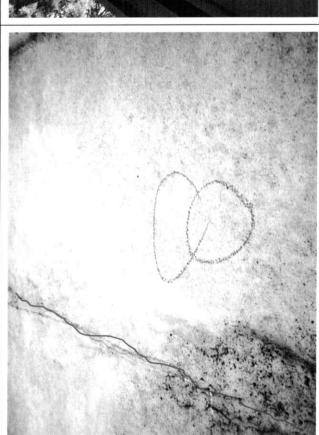


Photo # 12

Typical crack bottom of unit #8

0.710	3	Jeer 110
Project No .	+	No.
Date Inspected:	S	pected:
Inspected by:	-	ed by:
Inspec		nspected by:



Photo #13 New panel at southeast with collision damage



damage bottom of panel at southeast Photo # 14 Small spall with vertical cracks from collision

New Canaan Lapham Road Route 15 Inspected by: Date Inspected: Project No.:	Feature Crossed:	Feature Carried:	Town:	Bridge No.
Inspected by: Inspected by: Date Inspected: Project No.:	Route 15	Lapham Road	New Canaan	05810
	Project No.:	Date Inspected:	Inspected by:	Inspected by:



Photo #15 Vertical cracks in east panel from collision damage



Photo # 16 Cracks adjacent to panel random hanger bracket